

INTERNATIONAL SEARCH REPORT

International Application No

EP2004/051997

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/85 C07K14/38 C07K14/21 A01K67/027 C12Q1/68 C07K14/21 C07C47/06				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C07K A01K C12Q C07C				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	CHEN ANPING: "Acetaldehyde stimulates the activation of latent transforming growth factor-beta1 and induces expression of the type II receptor of the cytokine in rat cultured hepatic stellate cells." THE BIOCHEMICAL JOURNAL. ENGLAND 15 DEC 2002, vol. 368, no. Pt 3, 15 December 2002 (2002-12-15), pages 683-693, XP002267295 ISSN: 0264-6021 cited in the application figures 3-5 page 686 ----- -/--	1-7,9-27		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.				
* Special categories of cited documents: <table border="0"> <tr> <td style="vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="vertical-align: top;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search 13 December 2004		Date of mailing of the international search report 12/01/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Brouns, G		

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	MRH WHITE: INTERNET ARTICLE, 'Online! 11 November 1999 (1999-11-11), page 5, XP002265633 Retrieved from the Internet: URL:http://www.liv.ac.uk/{bates/MolBiol/Pr objects98.html> 'retrieved on 2003-12-17! abstract	1-7, 9-27
Y	WO 97/06269 A (JEPSON IAN ; ZENECA LTD (GB)) 20 February 1997 (1997-02-20) cited in the application page 3, line 5 - page 4, line 7 examples 1-5	1-7, 9-27
Y	WO 01/09357 A (CADDICK MARK XAVIER ; JEPSON IAN (GB); ZENECA LTD (GB); GREENLAND A) 8 February 2001 (2001-02-08) page 18, lines 9-16 examples 1-5	1-7, 9-27
A	WO 01/31047 A (BUEHLER BRUNO ; SCHMID ANDREAS (CH); WITHOLT BERNARD (CH); BASF AG) 3 May 2001 (2001-05-03) figure 2 claim 4	1-7, 9-27
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A	SMITS THEO H M ET AL: "New alkane-responsive expression vectors for Escherichia coli and Pseudomonas" PLASMID, vol. 46, no. 1, July 2001 (2001-07), pages 16-24, XP002265635 ISSN: 0147-619X cited in the application the whole document	1-6, 8-15, 17-23, 25-27
T	WEBER WILFRIED ET AL: "Gas-inducible transgene expression in mammalian cells and mice." NATURE BIOTECHNOLOGY. NOV 2004, vol. 22, no. 11, November 2004 (2004-11), pages 1440-1444, XP002310266 ISSN: 1087-0156 the whole document	1-27

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